L Numb r	Hits	S arch T xt	DB	Tim stamp
•	1	("5404042").PN.	USPAT;	2002/05/01
			US-P PUB	09:20
	1	("6300664").PN.	USPAT:	2002/05/02
- .		,	US-PGPUB	12:17
	1	("5278441").PN.	USPAT;	2002/05/02
		,	US-PGPUB	12:00
.	1	("5290714").PN.	USPAT;	2002/05/02
			US-PGPUB	12:00
	1	("6087891").PN.	USPAT;	2002/05/02
		(US-PGPUB	12:00
	1	("6198330").PN.	USPAT;	2002/05/02
	-	(0.00000)	US-PGPUB	12:01
	1	("5227654").PN.		1
	-	(022/004) 14.	USPAT; US-PGPUB	2002/05/02
	1	("5963409").PN.		12:01
	•	(0000000).FIG.	USPAT;	2002/05/02
	1	("5278436").PN.	US-PGPUB	12:01
	1	(3210430 J.PN.	USPAT;	2002/05/02
	1	("5200729") PM	US-PGPUB	12:02
	1	("5290728").PN.	USPAT;	2002/05/02
	45	(#47FF0CE# #4774407# #4000400#	US-PGPUB	12:02
	15	("4755865" "4774197" "4806498"	USPAT	2002/05/02
		"4868619" "4888246" "4897368"		12:02
		"5027185" "5103272" "5134447"		
	:	"5189504" "5237188" "5237196"		
	4-	"5311040" "5514902" "5554871").PN.		
	15	("4755865" "4774197" "4806498"	USPAT	2002/05/02
		"4868619" "4888246" "4897368"		12:03
		"5027185" "5103272" "5134447"		
		"5189504" "5237188" "5237196"		
		"5311040" "5514902" "5554871"). PN .		
	21	emitter and @py<2001 and (tunneling adj	USPAT;	2002/05/01
		layer or tiox or taox or taaloxny or taalox or	US-PGPUB	13:08
		aloxny) and (cathode or platinum or gold or		
	·	molybdenum or tantalum or iridium or		
		ruthenium or chromium)		
	0	5825049.URPN.	USPAT	2002/05/02
				12:30
	0	5825049.URPN.	USPAT	2002/05/02
				12:30
	1	emitter and @py<2001 and emission and	USPAT;	2002/05/02
1		tunneling and (tio or tao or taalo or taalo or	US-PGPUB	12:48
		alo) and cathode and (platinum or gold or		
		molybdenum or tantalum or iridium or		
		ruthenium or chromium)		
	4	chen-zhizhang.in.	USPAT;	2002/05/02
			US-PGPUB	12:49
	1	r gan-micha I.in.	USPAT;	2002/05/02
		-	US-PGPUB	12:50
	0	bolf-brian.in.	USPAT;	2002/05/02
	-		US-PGPUB	12:50
1	0	nov t-th mas.in.	USPAT;	2002/05/02
	-	-	US-PGPUB	12:50

-	203	257/10.ccls. and @py<2001	USPAT;	2002/05/02
			US-P PUB	12:57
-	1	("5814832").PN.	USPAT;	2002/05/02
			US-P PUB	12:55
-	1	("6008576").PN.	USPAT;	2002/05/02
			US-PGPUB	12:56
-	1	("6096570").PN.	USPAT;	2002/05/02
			US-PGPUB	12:56
-	1	("5559342").PN.	USPAT;	2002/05/02
			US-PGPUB	12:56
-	21	257/10.ccls. and @py<2001 and emission	USPAT;	2002/05/02
		and tunneling and cathode	US-PGPUB	13:10
-	9514	6008576.pn. and tunneling or (tio or tao or	USPAT;	2002/05/02
		wsin or taalo or alo)	US-PGPUB	13:12
-	0	6008576.pn. and tunneling and (tio or tao or	USPAT;	2002/05/02
		wsin or taalo or alo)	US-PGPUB	13:12
	. 0	6008576.pn. and tunneling	USPAT;	2002/05/02
			US-PGPUB	13:13
	0	6008576.pn. and (tungsten adj silicon adj	USPAT;	2002/05/02
		nitrate or tantalum adj oxide or titanium adj	US-PGPUB	13:35
		oxide or tantalum adj aluminum adj	CO-FOFOB	13.33
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride)		
-	7	tunneling and (tungsten adj silicon adj	USPAT;	2002/05/01
	_	nitrate or tantalum adj oxide or titanium adj	US-PGPUB	11:32
		oxide or tantalum adj aluminum adj	30-1 G/ GB	11.52
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and		
		cathode and (platinum or gold or		
		molybdenum or tantalum or iridium or		
		ruthenium or chromium) and emitter and		·
		@py<2001 and emission		
_	2	tunneling and (tungsten adj silicon adj	USPAT;	2002/05/02
	_	nitrate or tantalum adj oxide or titanium adj	US-PGPUB	13:29
		oxide or tantalum adj aluminum adj	004 01 02	13.23
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and		
		cathode and (platinum or gold or		
•		molybdenum or tantalum or iridium or		
		ruthenium or chromium) and emitter and		
		@py<2001 and 257/\$.ccis.		
	o	6096570.pn. and (tungsten adj silicon adj	USPAT;	2002/05/02
		nitrate or tantalum adj oxide or titanium adj	US-PGPUB	13:35
		oxide or tantalum adj aluminum adj	UU-FUFUB	13.33
		oxide or tantalum auj aluminum auj oxynitride or tantalum adj aluminum adj	1	
		oxymende or tantaidm adj aldmindm adj oxide or aluminum adj oxynitride)		
_	0	5814832.pn. and (tungsten adj silicon adj	HSDAT.	2002/05/02
-	9	nitrate or tantalum adj oxide or titanium adj	USPAT;	13:36
		•	US-PGPUB	13:30
		oxide r tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj		
	<u> </u>	oxide r aluminum adj oxynitrid)		

•	0	559342.pn. and (tungsten adj silicon adj	USPAT;	2002/05/02
		nitrat r tantalum adj xid r titanium adj oxid r tantalum adj aluminum adj	US-PGPUB	13:36
		xynitrid or tantalum adj aluminum adj xid r aluminum adj xynitrid)		
• .	0	tunn ling and (tungst n adj silic n adj	EP ; JPO	2002/05/02
		nitrate or tantalum adj oxide or titanium adj		14:22
		oxide or tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and cathode and (platinum or gold or		
		molybdenum or tantalum or iridium or		
		ruthenium or chromium) and emitter and		
		@py<2001 and emission		
-	0	tunneling and (tungsten adj silicon adj	EPO; JPO	2002/05/02
		nitrate or tantalum adj oxide or titanium adj		14:28
		oxide or tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and cathode and (platinum or gold or		
		molybdenum or tantalum or iridium or		
		ruthenium or chromium) and emitter and		
		emission		
•	8	tunneling and (tungsten adj silicon adj	USPAT;	2002/05/02
		nitrate or tantalum adj oxide or titanium adj	US-PGPUB	15:43
		oxide or tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj oxide or aluminum adj oxynitride) and		
		cathode and (platinum or gold or		
		molybdenum or tantalum or iridium or		
		ruthenium or chromium) and @py<2001 and		
		field adj emission		
•	1	257/10.ccls. and anode same storage and	USPAT;	2002/05/02
_	6	@py<2001 5530262.URPN.	US-PGPUB USPAT	15:55 2002/05/02
				15:46
•	2	anode same storage and @py<2001 and field	USPAT;	2002/05/02
-	128	adj emission and amplifier and display 257/\$.ccls. and anode same storage and	US-PGPUB USPAT;	15:51 2002/05/02
	120	@py<2001	US-PGPUB	15:55
-	1	257/\$.ccls. and anode same storage and	USPAT;	2002/05/02
		@py<2001 and field adj emission	US-PGPUB	15:56
-	1	6034479.pn. and phosphors and (storage or	USPAT;	2002/05/01
		memory)	US-PGPUB	09:45
-	4194	anode near "3" (storage or memory or	USPAT;	2002/05/01
		recording adj medium) and @py<2001 and field adj emission	US-PGPUB	09:48
•	784013	and nar"3" st rage r mem ry r	USPAT;	2002/05/01
•		r c rding adj m dium and @py<2001 and	US-PGPUB	09:50
		fi ld adj missi n		
•	10	anod n ar3 (st rag or m mory r	USPAT;	2002/05/01
		r c rding adj medium) and @py<2001 and	US-PGPUB	09:54
		fi ld adj emissi n		

•	82	an d sam (storag or m mory or	USPAT;	2002/05/01
		recording adj medium) and @py<2001 and	US-P PUB	11:24
		fi ld adj missi n	JUF FUB	11.44
_	131	257/20.ccls. and @py<2001	USPAT;	2002/05/01
		200.	US-P PUB	11:29
_	165	257/24.ccls. and @py<2001	USPAT;	2002/05/01
		эр, 200.	US-PGPUB	11:25
-	46	257/27.ccls. and @py<2001	USPAT;	2002/05/01
			US-PGPUB	11:25
-	0	(257/20.ccls. and @py<2001) and	USPAT;	2002/05/01
		(257/24.ccls. and @py<2001) and	US-PGPUB	11:29
		(257/27.ccls. and @py<2001) and cathode		11120
		and (platinum or gold or molybdenum or		
		tantalum or iridium or ruthenium or		
		chromium) and tunneling and emission adj		
		current		
•	0	(257/20.ccls. and @py<2001) and	USPAT;	2002/05/01
		(257/24.ccls. and @py<2001) and	US-PGPUB	11:28
		(257/27.ccls. and @py<2001) and cathode		
		and (platinum or gold or molybdenum or		
		tantalum or iridium or ruthenium or		
		chromium) and tunneling		
•	9	(257/20.ccls. and @py<2001) and	USPAT;	2002/05/01
		(257/24.ccls. and @py<2001) and	US-PGPUB	11:28
		(257/27.ccls. and @py<2001)		
-	0	(257/20.ccls. and @py<2001) and cathode	USPAT;	2002/05/01
		and (platinum or gold or molybdenum or	US-PGPUB	11:30
		tantalum or iridium or ruthenium or		
		chromium) and tunneling and emission adj		
		current		
-	0	257/20.ccls. and cathode and (platinum or	USPAT;	2002/05/01
		gold or molybdenum or tantalum or iridium	US-PGPUB	11:34
•		or ruthenium or chromium) and tunneling		
		and @py<2000		
-	0	257/20.ccls. and tunneling and (tungsten adj	USPAT;	2002/05/01
		silicon adj nitrate or tantalum adj oxide or	US-PGPUB	11:33
		titanium adj oxide or tantalum adj aluminum		
		adj oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and		
		@py<2001 and emission		
-	0	257/20.ccls. and tunneling and (tungsten adj	USPAT;	2002/05/01
		silicon adj nitrate or tantalum adj oxide or	US-PGPUB	11:42
		titanium adj oxide or tantalum adj aluminum		
		adj oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and		
		@py<2001		
•	4	257/24.ccls. and cathode and (platinum or	USPAT;	2002/05/01
		gold or molybdenum or tantalum or iridium	US-PGPUB	11:36
		r ruth nium or chromium) and tunneling		
		and @py<2000		
-	10	257/10-11.ccls. and cath de and (platinum	USPAT;	2002/05/01
		or g ld or molybdenum or tantalum or	US-PGPUB	14:38
		iridium or ruth nium r chromium) and		
		tunneling and @py<2001		

-	0	257/10-11.ccls. and tunneling and (tungst n	USPAT;	2002/05/01
		adj silicon adj nitrat or tantalum adj xide	US-P PUB	11:43
		r titanium adj oxid or tantalum adj		
		aluminum adj xynitride r tantalum adj		
		aluminum adj xid or aluminum adj		
	_	xynitrid) and @py<2001		
-	0	257/10-11.ccls. and tunneling same	USPAT;	2002/05/01
		(tungsten adj silicon adj nitrate or tantalum	US-PGPUB	11:45
		adj oxide or titanium adj oxide or tantalum		,
		adj aluminum adj oxynitride or tantalum adj		
	•	aluminum adj oxide or aluminum adj		
	^	oxynitride) and @py<2001		
-	0	257/10-11.ccls. and tunneling and (tungsten	USPAT;	2002/05/01
		adj silicon adj nitrate or tantalum adj oxide	US-PGPUB	14:38
		or titanium adj oxide or tantalum adj		
		aluminum adj oxynitride or tantalum adj		
		aluminum adj oxide or aluminum adj		
_	0	oxynitride) and @py<2001 flat adj field adj emission adj emitters and	HEDAT	0000/05/5
		@py<2000	USPAT;	2002/05/01
	22	hewlett adj packard.as. and field adj	US-PGPUB USPAT;	12:02 2002/05/01
		emission	US-PGPUB	12:07
-	1	("6023124").PN.	USPAT:	2002/05/01
		(· · · · · · · · · · · · · · · · · · ·	US-PGPUB	12:59
-	2	6023124.URPN.	USPAT	2002/05/01
			00.71	12:50
-	10	("4005465" "5650795" "5659224"	USPAT	2002/05/01
		"5726524" "5729094" "5770918"		12:59
		"5857882" "5861227" "5894189"		
		"5936257").PN.		
-	0	257/10-11.ccis. and @py<2001 and cathode	USPAT;	2002/05/01
		and tunneling adj layer	US-PGPUB	13:01
-	0	@py<2001 and cathode and tunneling adj	USPAT;	2002/05/01
		layer and field adj emission adj device	US-PGPUB	14:09
•	0	emitter and @py<2001 and tunneling adj	USPAT;	2002/05/01
		layer same thickness and field adj emission	US-PGPUB	13:12
	_	adj device		
•	0	emitter and @py<2001 and tunneling adj	USPAT;	2002/05/01
	40	layer same thickness and field adj emission	US-PGPUB	13:13
-	10	@py<2001 and flat adj emitter and field adj	USPAT;	2002/05/01
	•	emission	US-PGPUB	13:55
	0	tunneling same (tungsten adj silicon adj	USPAT;	2002/05/01
		nitrate or tantalum adj oxide or titanium adj	US-PGPUB	14:40
		oxide or tantalum adj aluminum adj oxynitride or tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj oxide or aluminum adj oxynitride) and		1
	*	@py<2001 and field adj emission		
_	1	("5473218").PN.	USPAT;	2002/05/01
	•	,	US-PGPUB	14:22
	16	5473218.URPN.	USPAT	2002/05/01
			USPAI	14:22
-	472	m y rand (platinum rgold rm lybd num	USPAT;	2002/05/01
		r tantalum r iridium or ruthenium r		
			30-7 37 08	1-7199
		r tantalum r iridium or ruthenium r chr mium) and @py<2001	US-PGPUB	14:39

-	1	5473218.pn. and (platinum r gold or	USPAT;	2002/05/01
		molybdenum r tantalum r iridium or	US-PGPUB	14:39
		ruth nium r chromium) and @py<2001		
-	0	5473218.pn. and (tungst n adj silic n adj	USPAT;	2002/05/01
		nitrat r tantalum adj xid r titanium adj	US-P PUB	15:27
		xid r tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride)		
-	4	313/309.ccls. and (tungsten adj silicon adj	USPAT;	2002/05/01
		nitrate or tantalum adj oxide or titanium adj	US-PGPUB	15:36
		oxide or tantalum adj aluminum adj	30.0.02	10.00
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and		
		(platinum or gold or molybdenum or		
		tantalum or iridium or ruthenium or		
		·		
		chromium) and (adhesion or bond or glue) and @py<2001		
_			Heres	2002/25/24
• .	0	257/10-11.ccls. and (tungsten adj silicon adj	USPAT;	2002/05/01
		nitrate or tantalum adj oxide or titanium adj	US-PGPUB	15:37
		oxide or tantalum adj aluminum adj		
		oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and		
		(platinum or gold or molybdenum or	İ	i
		tantalum or iridium or ruthenium or		
		chromium) and (adhesion or bond or glue)		
		and @py<2001		
-	3	257/9-11.ccls. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:22
		ruthenium or chromium) and @py<2001 and		
		(tungsten adj silicon adj nitrate and		
		tantalum adj oxide or titanium adj oxide or		
		tantalum aluminum adj oxynitride or		
		tantalum adj aluminum adj oxide or		
	1	aluminum adj oxynitride) and field adj		
		emission		
	o	257/9-11.ccls. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:20
		ruthenium or chromium) and @py<2001 and	33-F 3F 0B	10.20
		(tungsten adj silicon adj nitrate and		
		tantalum adj oxide or titanium adj oxide or		
		•		
		tantalum adj aluminum adj oxynitride or		
		tantalum adj aluminum adj oxide or		
		aluminum adj oxynitride) and field adj		
		emission		
•	0	257/25.ccls. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:23
		ruthenium or chromium) and @py<2001 and		
		(tungsten adj silicon adj nitrate and		
		tantalum adj xid or titanium adj xid r	84	
		tantalum aluminum adj oxynitride or		
		tantalum adj aluminum adj xid or		
		aluminum adj oxynitrid) and fi ld adj		
		emissi n		

•	73	313/309.ccls. and (platimun r gold or	USPAT;	2002/05/02
		m lybd num r tantalum or iridium or	US-PGPUB	10:23
		ruth nium r chromium) and @py<2001 and		
		(tungst n adj silicon adj nitrate and		
		tantalum adj xid r titanium adj oxid or		
		tantalum aluminum adj xynitrid r		
		tantalum adj aluminum adj oxide or		
		aluminum adj oxynitride) and field adj		
		emission		
_	18	313/309.ccls. and (platimun or gold or	HEDAT.	2002/05/02
	.0	molybdenum or tantalum or iridium or	USPAT;	2002/05/02
•		-	US-PGPUB	10:26
		ruthenium or chromium) and @py<2001 and		
		(tungsten adj silicon adj nitrate and		
		tantalum adj oxide or titanium adj oxide or		
		tantalum aluminum adj oxynitride or		
		tantalum adj aluminum adj oxide or		
		aluminum adj oxynitride) and field adj		
		emission and adhesion		
•	0	313/309.ccls. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:27
		ruthenium or chromium) and @py<2001 and		
		(tungsten adj silicon adj nitrate and		
		tantalum adj oxide or titanium adj oxide or		
		tantalum adj aluminum adj oxynitride or		
		tantalum adj aluminum adj oxide or		
		aluminum adj oxynitride) and field adj		
		emission and adhesion		
	6	313/\$.ccls. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:33
		ruthenium or chromium) and @py<2001 and	U3-FGFUB	10:33
		,		
		(tungsten adj silicon adj nitrate and		
		tantalum adj oxide or titanium adj oxide or		
		tantalum adj aluminum adj oxynitride or		-
		tantalum adj aluminum adj oxide or		
		aluminum adj oxynitride) and field adj		
		emission and adhesion		
•	354	313/309.ccis. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:30
		ruthenium or chromium) and @py<2001 and		
		field adj emission		
•	62	313/309.ccls. and (platimun or gold or	USPAT;	2002/05/02
		molybdenum or tantalum or iridium or	US-PGPUB	10:30
		ruthenium or chromium) and @py<2001 and		
		field adj emission and adhesion		
	0	313/309.ccls. and @py<2001 and (tungsten	USPAT;	2002/05/02
		adj silicon adj nitrate and tantalum adj	US-PGPUB	10:35
		oxide or titanium adj oxide or tantalum adj		
		aluminum adj oxynitride or tantalum adj		
		aluminum adj xid or aluminum adj		
		oxynitrid) and fi ld adj missi n and		
	1	adhesion		

•	10	313/309.ccls. and @py<2001 and (tungst n	USPAT;	2002/05/02
,		adj silicon adj nitrat and tantalum adj	US-PGPUB	10:50
,		xid r titanium adj oxid or tantalum adj		10.00
		aluminum adj oxynitrid or tantalum adj		
		aluminum adj oxid or aluminum adj		
		xynitride) and fi ld adj emissi n		,
-	0	257/9-11.ccls. and @py<2001 and (tungsten	USPAT;	2002/05/02
		adj silicon adj nitrate and tantalum adj	US-PGPUB	11:34
		oxide or titanium adj oxide or tantalum adj		
		aluminum adj oxynitride or tantalum adj		
		aluminum adj oxide or aluminum adj		
	_	oxynitride) and field adj emission		
•	0	257/25.ccls. and @py<2001 and (tungsten adj	USPAT;	2002/05/02
		silicon adj nitrate and tantalum adj oxide or	US-PGPUB	10:52
		titanium adj oxide or tantalum adj aluminum		
		adj oxynitride or tantalum adj aluminum adj		
		oxide or aluminum adj oxynitride) and field		
		adj emission		
•	0	257/9-11.ccls. and @py<2001 and field adj	USPAT;	2002/05/02
		emission and tunneling adj layer and	US-PGPUB	11:35
_	o	adhesion adj layer		
•	"	257/25.ccls. and @py<2001 and field adj	USPAT;	2002/05/02
		emission and tunneling adj layer and adhesion adj layer	US-PGPUB	11:35
	0	313/309.ccls. and @py<2001 and field adj	HCDAT-	0000/05/00
		emission and tunneling adj layer and	USPAT; US-PGPUB	2002/05/02 11:36
		adhesion adj layer	U3-FGFUB	11:30
-	o	313/\$.ccls. and @py<2001 and field adj	USPAT;	2002/05/02
		emission and tunneling adj layer and	US-PGPUB	11:37
		adhesion adj layer		11.07
•	0	313/\$.ccls. and @py<2001 and field adj	USPAT;	2002/05/02
		emission and tunneling adj layer	US-PGPUB	11:38
-	0	257/9-11.ccls. and @py<2001 and field adj	USPAT;	2002/05/02
		emission and tunneling adj layer	US-PGPUB	11:38